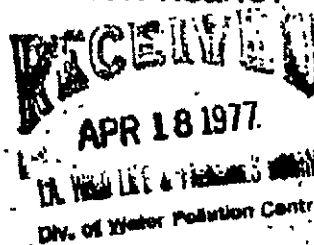




UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VI

DALLAS, TEXAS 75270



APR 14 1977

CERTIFIED MAIL: RETURN RECEIPT REQUESTED (492227)

Gerald W. Daigre  
Environmental Control Manager  
Dow Chemical U.S.A.  
P. O. Box 150  
Plaquemine, Louisiana 70764

Re: Application to Discharge to Waters of the United States  
Permit No. LA0003301

Dear Mr. Daigre:

Enclosed is a copy of the permit which this agency proposes to issue under the authority of the Federal Water Pollution Control Act Amendments of 1972.

This National Pollutant Discharge Elimination System (NPDES) permit regulating the discharge of pollutants from your facility will be issued and effective as indicated on the permit and the enclosed public notice pursuant to 40.CFR 125, as amended. A copy of the Regional Administrator's determination regarding this permit will be mailed to you no less than 30 days after the date of the enclosed public notice.

Should you have any questions concerning any part of the permit, please feel free to contact the Permits and Support Branch at the above address or telephone (214) 749-1983.

Sincerely yours,

/s/ John C. White

John C. White  
Regional Administrator

Enclosures

cc w/permit copy:  
Louisiana Stream Control Commission

Permit No. LA0003301  
Application No. LA-0XK-2-000436

**AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

In compliance with the provisions of the Federal Water Pollution Control Act, as amended,  
(33 U.S.C. 1251 et. seq; the "Act"),

Dow Chemical U.S.A.  
Louisiana Division  
P. O. Box 150  
Plaquemine, Louisiana 70764

is authorized to discharge from a facility located at

Plaquemine, Louisiana

to receiving waters named

The Mississippi River

in accordance with effluent limitations, monitoring requirements and other conditions set forth  
in Parts I, II, and III hereof.

This permit shall become effective on July 16, 1977

This permit and the authorization to discharge shall expire at midnight, November 27, 1979

Signed this 14th day of April 1977

  
John C. White  
Regional Administrator

# **A-1 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning with issuance and lasting through 06-30-77 the permittee is authorized to discharge from outfall(s) serial number(s) 001, process wastewaters from the manufacture of chlorinated polyethylene.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u> kg/day (lbs/day)		<u>Typical Discharge Characteristics</u> kg/day (lbs/day)		<u>Monitoring Requirements</u>	
	Daily Avg	Daily Max	Daily Avg	Daily Max	Measurement Frequency	Sample Type
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	**Continuous	N/A
*TOD	N/A	N/A	227(500)	454(1,000)	Daily	24-hr. composite
TSS	463(1,020)	925(2,040)	N/A	N/A	Twice/Week	24-hr. composite
Acidity/Alkalinity	N/A	N/A	N/A	N/A	Daily	24-hr. composite

\* These parameters shall be limited according to Part III.A.

\*\*Measured as intake water to the production unit.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

At the location labeled 001 on the attached map.

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**A-2 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning 07-01-77 and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 001, process wastewater from the manufacture of chlorinated polyethylene.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u> kg/day (lbs/day)		<u>Typical Discharge Characteristics</u> kg/day (lbs/day)		<u>Monitoring Requirements</u>	
	Daily Avg	Daily Max	Daily Avg	Daily Max	Measurement Frequency	Sample Type
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
*TOD	N/A	N/A	136(300)	272(600)	Daily	24-hr. composite
*TSS	N/A	N/A	175(385)	350(770)	Daily	24-hr. composite
Acidity/Alkalinity	N/A	N/A	N/A	N/A	Daily	24-hr. composite

\*These parameters shall be limited according to Part III.A.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 001 on the attached map.

**A-3 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning with issuance and lasting through 06-30-77, the permittee is authorized to discharge from outfall(s) serial number(s) 002, process wastewater from the manufacture of substitute cellulose and once-through cooling water. Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Typical Discharge Characteristics</u>		<u>Monitoring Requirements</u>	
	kg/day (lbs/day)		kg/day (lbs/day)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
*TOD (This parameter is to be measured at the combined process water outfall)	N/A	N/A	20,412(45,000)	40,823(90,000)	Daily	24-hr. composite
Acidity/Alkalinity	N/A	N/A	N/A	N/A	Daily	24-hr. composite

\*These parameters shall be limited according to Part III.A.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 002 on the attached map.

#### A-4 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning 07-01-77 and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 002, once-through cooling water.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>	
	kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
TOD	N/A	N/A	N/A	N/A	Daily	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 002 on the attached map.

# A-5 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning with issuance and lasting through 06-30-77, the permittee is authorized to discharge from outfall(s) serial number(s) 003, process wastewater from brine purification, and the manufacture of chlorine and sodium hydroxide, and once-through cooling water. The sum of all discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Typical Discharge Characteristics		Monitoring Requirements		
	kg/day (lbs/day)		kg/day (lbs/day)		Measurement Frequency	Sample Type	Sample Location
	Daily Avg	Daily Max	Daily Avg	Daily Max			
Flow—m <sup>3</sup> /Day (MGD)	003A and 003C		N/A	N/A	Continuous	N/A	N/A
TSS	27,300(60,000)	45,400(100,000)	N/A	N/A	Daily	Calculated-based on treated brine	003A
*Residual Chlorine	N/A	N/A	11,340 (25,000)	22,680 (50,000)	Daily	Grab	003A & 003C
Total Chromium	9.1(20)	18.1(40)	N/A	N/A	Daily	24-hr. composite	003A
Alkalinity	N/A	N/A	N/A	N/A	Daily	24-hr. composite	003A, 003B, 003C, 003D, 003E

\*This parameter shall be limited according to Part III.C.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

See attached map for locations of discharges. Discharge 003A is CAII, 003B and 003E are the caustic plant, 003C is the chlorine plant, 003D is the chlorine plant cooling water.

## A-6 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning 07-01-77 and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 003, process wastewaters from brine purification and the manufacture of chlorine and caustic.

The sum of all discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations kg/day (lbs/day)		Typical Discharge Characteristics kg/day (lbs/day)		Monitoring Requirements		
	Daily Avg	Daily Max	Daily Avg	Daily Max	Measurement Frequency	Sample Type	Sample Location
Flow—m <sup>3</sup> /Day (MGD)	003A and 003D		N/A	N/A	Continuous	N/A	N/A
*Residual Chlorine	N/A	N/A	3,120(6,864)	6,240(13,728)	Daily	Grab	
Alkalinity	N/A	N/A	N/A	N/A	Daily	24-hr. composite	003A, 003B 003D, & 003I
Total Chromium	(See Part III.F)		N/A	N/A	Daily	24-hr. composite	003A

\*This parameter shall be limited according to Part III.C.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): See attached map for location of discharges. Discharges 003A is CAII, 003B and 003E are the caustic plant, and 003D is the chlorine plant and cell service area, 003C is the chlorine plant cooling water.

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**A-7 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning with issuance and lasting through 06-30-77, the permittee is authorized to discharge from outfall(s) serial number(s) 004, process wastewaters from the manufacture of propylene oxide and intermediates, and once-through cooling water. Such discharges shall be limited and monitored by the permittee as specified below:

<u><b>Effluent Characteristic</b></u>	<u><b>Discharge Limitations</b></u> <b>kg/day (lbs/day)</b>		<u><b>Typical Discharge Characteristics</b></u> <b>kg/day (lbs/day)</b>		<u><b>Monitoring Requirements</b></u>	
	<b>Daily Avg</b>	<b>Daily Max</b>	<b>Daily Avg</b>	<b>Daily Max</b>	<b>Measurement Frequency</b>	<b>Sample Type</b>
<b>Flow—m<sup>3</sup>/Day (MGD)</b>	N/A	N/A	N/A	N/A	Calculated	N/A
<b>*TOD</b>	N/A	N/A	14,515(32,000)	29,030(64,000)	Daily	24-hr. composite
<b>Alkalinity</b>	N/A	N/A	N/A	N/A	Daily	24-hr. composite

\*These parameters shall be limited according to Part III.A.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

At the location labeled 004 on the attached map.

# **A-8 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning 07-01-77 and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 004, the once-through cooling water.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Typical Discharge Characteristics</u>		<u>Monitoring Requirements</u>	
	kg/day (lbs/day)		kg/day (lbs/day)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
TOD	N/A	N/A	N/A	N/A	Daily	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the once-through cooling water return prior to commingling with the river water return.

# A-9 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning with issuance and lasting through 06-30-77, the permittee is authorized to discharge from outfall(s) serial number(s) 005, process wastewater from the manufacture of chlorinated solvents.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Typical Discharge Characteristics		Monitoring Requirements		
	kg/day (lbs/day)		kg/day (lbs/day)		Measurement Frequency	Sample Type	Sample Location
	Daily Avg	Daily Max	Daily Avg	Daily Max			
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Daily	Calculated	
Phenols	45.4(100)	91.0(200)	N/A	N/A	Twice/Week	24-hr. composite	005B
Acidity	N/A	N/A	N/A	N/A	Daily	24-hr. composite	005A
*Chlorinated Hydrocarbons	N/A	N/A	2,722(6,000)	5,443(12,000)	Daily	24-hr. composite	005A

\*Sum of propylene dichloride, 1, 1, 2-trichloroethane, perchloroethylene, carbon tetrachloride vinylidene chloride and 1, 2, 3-trichloropropene.

\*these parameters shall be limited according to Part III.B.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

At the location labeled 005A or B on the attached map, as specified in the table above.

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**A- 10 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning 07-01-77 and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 005, process wastewater from the manufacture of chlorinated solvents.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Typical Discharge Characteristics</u>		<u>Monitoring Requirements</u>		
	<u>kg/day (lbs/day)</u>		<u>kg/day (lbs/day)</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>Sample Location</u>
	Daily Avg	Daily Max	Daily Avg	Daily Max			
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A	
Phenols	0.45(1.0)	0.9(2.0)	N/A	N/A	Twice/Week	24-hr. composite	005B
Acidity	N/A	N/A	N/A	N/A	Daily	24-hr. composite	005A
*Chlorinated Hydrocarbons	N/A	N/A	364(800)	728(1,600)	Daily	24-hr. composite	005A

\*Sum of propylene dichloride, 1, 1, 2-trichloroethane, perchloroethylene, carbon tetrachloride, vinylidene chloride and 1, 2, 3-trichloropropene.

\*These parameters shall be limited according to Part III.B.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

At the locations labeled 005A or B on the attached map, as specified in the table above.

# A- 11 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning with issuance and lasting through 06-30-77, the permittee is authorized to discharge from outfall(s) serial number(s) 006, process wastewater from the manufacture of vinyl chloride and ethylene dichloride.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations kg/day (lbs/day)		Typical Discharge Characteristics kg/day (lbs/day)		Monitoring Requirements	
	Daily Avg	Daily Max	Daily Avg	Daily Max	Measurement Frequency	Sample Type
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Daily	Calculated
*Chlorinated Hydrocarbons as Ethylene dichloride	N/A	N/A	1,137(2,500)	2,278(5,000)	Daily	24-hr. composite
Acidity	N/A	N/A	N/A	N/A	Daily	24-hr. composite

\*This parameter shall be limited according to Part III.B.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 006 on the attached map.

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# A-12 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning 07-01-77 and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 006, process wastewater from the manufacture of vinyl chloride and ethylene dichloride.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Typical Discharge Characteristics</u>		<u>Monitoring Requirements</u>	
	kg/day (lbs/day)		kg/day (lbs/day)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
*Chlorinated Hydrocarbons as Ethylene Dichloride	N/A	N/A	114(250)	228(500)	Daily	24-hr. composite
Acidity	N/A	N/A	N/A	N/A	Daily	24-hr. composite

\*This parameter shall be limited according to Part III.B.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 006 on the attached map.

# A-13 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning with issuance and lasting through 06-30-77, the permittee is authorized to discharge from outfall(s) serial number(s) 007, process wastewater from the manufacture of olefins and once-through cooling water.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Typical Discharge Characteristics		Monitoring Requirements	
	kg/day (lbs/day)		kg/day (lbs/day)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
Oil and Grease	204(450)	545(1,200)	N/A	N/A	Twice/Week	Grab
*TOD	N/A	N/A	2,794(6,160)	5,588(12,320)	Daily	24-hr. composite

\*These parameters shall be limited according to Part III.A.

The pH shall not be less than 6 standard units nor greater than 9 standard units and shall be monitored daily at the point of combined unit process effluent.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 007 on the attached map.

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# A-14 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning 07-01-77 and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 007, process wastewater from the manufacture of olefins, and once-through cooling water. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Typical Discharge Characteristics		Monitoring Requirements	
	kg/day (lbs/day)		kg/day (lbs/day)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow-m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
*TSS	N/A	N/A	138(305)	314(694)	Daily	24-hr. composite
Oil and Grease	41(90)	82(180)	N/A	N/A	Twice/Week	Grab
*TOD	N/A	N/A	625(1,377)	1,247(2,750)	Daily	24-hr. composite
**TOD	N/A	N/A	N/A	N/A	Daily	Grab

\*These parameters shall be limited according to Part III.A.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

At the location labeled 007 on the attached map.

\*\*This parameter to be sampled at the once-through cooling water return prior to commingling with the river water return.



# A-15EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning with issuance and lasting through 06-30-77, the permittee is authorized to discharge from outfall(s) serial number(s) 008, process wastewater from the manufacture of ethylene oxide, ethylene glycol and ethylene glycol ethers.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Typical Discharge Characteristics		Monitoring Requirements	
	kg/day (lbs/day)		kg/day (lbs/day)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
*TOD	N/A	N/A	11,340(25,000)	22,680(50,000)	Daily	24-hr. composite
Alkalinity	N/A	N/A	N/A	N/A	Daily	24-hr. composite

\*This parameter shall be limited according to Part III.A.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 008 on the attached map.

# A-16 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning 07-01-77 and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 008, once-through cooling water.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Typical Discharge Characteristics		Monitoring Requirements	
	kg/day (lbs/day)		kg/day (lbs/day)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
Oil and Grease	51(122)	102(224)	N/A	N/A	Twice/Week	Grab
TOD	N/A	N/A	N/A	N/A	Daily	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
This parameter to be sampled at the once-through cooling water return prior to commingling with the river water return.

**A-17 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning with issuance and lasting through 06-30-77, the permittee is authorized to discharge from outfall(s) serial number(s) 009, process wastewater from the manufacture of high density polyethylene. Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>	
	kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Twice/Week	Calculated
TOD	45(100)	91(200)	N/A	N/A	Twice/Week	24-hr. composite
TSS	77(170)	154(340)	N/A	N/A	Twice/Week	24-hr. composite

The pH shall not be less than 6.0 standard units nor greater than 11.0 standard units and shall be monitored daily at the point of combined process unit effluents.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 009 on the attached map.

## A-18 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning 07-01-77, and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 009, process wastewater from the manufacture of high density polyethylene, and once-through cooling water. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
BOD	14(30)	26(57)	N/A	N/A	Once/Month	24-hr. composite
COD	136(300)	259(570)	N/A	N/A	Once/Month	24-hr. composite
TSS	39(85)	62(136)	N/A	N/A	Twice/Week	24-hr. composite
TOD*	N/A	N/A	N/A	N/A	Twice/Week	Grab

\*This sample applies to all once-through cooling water only.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 009 on the attached map.

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**A-19 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning with issuance and lasting through 06-30-77, the permittee is authorized to discharge from outfall(s) serial number(s) 010, process wastewaters from the production of low density polyethylene and once-through cooling water. Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>	
	kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
Oil and Grease	68(150)	136(300)	N/A	N/A	Twice/Week	Grab

The pH shall not be less than 6 standard units nor greater than 9 standard units and shall be monitored daily at the point of combined process unit effluents.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 010 on the attached map.

# A-20. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning 07-01-77, and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 010, process wastewaters from the production of low density polyethylene, and once-through cooling water. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow--m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
BOD	94(206)	183(403)	N/A	N/A	Once/Month	24-hr. composite
COD	935(2,060)	1,830(4,030)	N/A	N/A	Once/Month	24-hr. composite
Oil and Grease	68(150)	136(300)	N/A	N/A	Once/Month	Grab
TSS	258(569)	468(1,030)	N/A	N/A	Once/Month	24-hr. composite

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 010 on the attached map.

# A-21 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning with issuance and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 011, treated sanitary sewage.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
TSS	N/A	N/A	30	60	Once/Month	Grab
Coliform (Fecal)**	N/A	N/A	1,000/100 mg/l log mean	N/A	Once/Month	Grab
TOD	N/A	N/A	40	80	Once/Month	Grab

\*\*This analysis to be performed when the residual chlorine level in the combined outfall is less than 0.1 mg/l, or at a frequency not less frequent than specified in Monitoring Requirements in the table above.

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored daily with a grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 011 on the attached map, except coliforms which are to be sampled at the final outfall.

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**A-22 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning with issuance and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 012, wastewaters from railcar loading and plant maintenance.  
Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>	
	kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Daily	Estimate
TOD	N/A	N/A	2,000	4,000	1/Week	Grab
Alkalinity/Acidity	9,000(20,000)	18,200(40,000)	N/A	N/A	Daily	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

At the location labeled 012 on the attached map.

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# A-23 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning with issuance and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 013, boiler blowdown water, power plant once-through cooling water.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Once/Month	Estimate
Temperature	N/A	N/A	43.4°C(110°F)	46.1°C(115°F)	Once/Month	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Temperature shall be sampled at the point where once-through cooling water streams combine to leave the process area.

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# A-24EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning with issuance and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 014, clarified blowdown and demineralizer rinse water.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations kg/day (lbs/day)		Typical Discharge Characteristics kg/day (lbs/day)		Monitoring Requirements		
	Daily Avg	Daily Max	Daily Avg	Daily Max	Measurement Frequency	Sample Type	Reporting Units
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Once/Month	Estimate	MGD
TSS	N/A	N/A	N/A	N/A	Once/Month	Grab	mg/l
TOD	N/A	N/A	N/A	N/A	Once/Month	Grab	mg/l
Alkalinity or Acidity	N/A	N/A	N/A	N/A	Once/Month	Grab	mgCaCO <sub>3</sub> /l

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
On the clarifier blowdown stream prior to commingling with demineralizer rinse water.

# A-25 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning with issuance and lasting through 06-30-77, the permittee is authorized to discharge from outfall(s) serial number(s) 015, process wastewater from the manufacture of chlorinated methanes.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Typical Discharge Characteristics		Monitoring Requirements	
	kg/day (lbs/day)		kg/day (lbs/day)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
Methanol	8,165(18,000)	16,329(36,000)	N/A	N/A	Twice/Week	24-hr. composite
Acidity	N/A	N/A	N/A	N/A	Daily	24-hr. composite
*Chlorinated Hydrocarbons	N/A	N/A	4,545(10,000)	9,090(20,000)	Daily	24-hr. composite

\*Sum of methyl chloride, methylene chloride, chloroform, and carbon tetrachloride.

\*These parameters shall be limited according to Part III.B.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 015 on the attached map.

**A-26 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning 07-01-77 and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 015, process wastewater from the manufacture of chlorinated methanes.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Typical Discharge Characteristics</u>		<u>Monitoring Requirements</u>	
	kg/day (lbs/day)		kg/day (lbs/day)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
Acidity	N/A	N/A	N/A	N/A	Daily	24-hr. composite
*Chlorinated Hydrocarbons	N/A	N/A	454(1,000)	909(2,000)	Daily	24-hr. composite

\*These parameters shall be limited according to Part III.B.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 015 on the attached map.

**A-27 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning with issuance and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 016, wastewater from Dow Industrial Service Company.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>	
	<u>kg/day (lbs/day)</u>		<u>Other Units (Specify)</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	1/Occurrence	N/A
Acidity or Alkalinity	N/A	N/A	N/A	N/A	1/Occurrence	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 016 on the attached map.

## A-28 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning 07-01-77 and lasting through expiration date the permittee is authorized to discharge from outfall(s) serial number(s) sum of outfalls 017, 017A, and 017B, process wastewater and storm runoff from manufacture of vinyl chloride, ethylene dichloride, and Chloroethene. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Typical Discharge Characteristics		Monitoring Requirements	
	kg/day (lbs/day)		kg/day (lbs/day)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD) ****	N/A	N/A	N/A	N/A	Continuous	N/A
Total Chromium*,**	(See Part III.F.)		N/A	N/A	Daily	24-hr. composite
Chlorinated Hydrocarbons** (as ethylene dichloride)	N/A	N/A	180(400)	360(800)	Daily	24-hr. composite
Residual Chlorine*	2000(4500)	4000(9000)	N/A	N/A	Daily	Grab
TOD**	N/A	N/A	600(1300)	1200(2600)	Daily	24-hr. composite
Acidity***	N/A	N/A	N/A	N/A	Daily	24-hr. composite

\*Outfall 017 only.

\*\*These characteristics shall be limited according to Part III. of the permit.

\*\*\*Outfall 017A only.

\*\*\*\*Estimate flow for 017B.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

At the locations labeled 017, 017A, and 017B on the attached map.

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# A-29 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning 06-01-78 and lasting through expiration date, the permittee is authorized to discharge from outfall(s) serial number(s) 018A and 018B, cooling tower blowdown, storm runoff, and miscellaneous water from ethanolamines plant.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)***	N/A	N/A	N/A	N/A	Continuous	N/A
Total Chromium*	(See Part III.F.)		N/A	N/A	Daily	24-hr. composite
TOD**	N/A	N/A	N/A	N/A	Daily	Grab

\*Outfall 018A only.

\*\*Outfall 018B only.

\*\*\*During periods of discharge.

\*\*\*Estimate flow for 018B.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the locations labeled 018A and 018B on the attached map.

**A-30 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning 07-01-78 and lasting through expiration date the permittee is authorized to discharge from outfall(s) serial number(s) 019, from Power II.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>	
	kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
Total Chromium	(See Part III.F.)		N/A	N/A	Daily	24-hr. composite

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 019 on the attached map.

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# A-31 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning 07-01-77 and lasting through expiration date the permittee is authorized to discharge from outfall(s) serial number(s) 020, effluent from Central Waste Treatment Plant.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Typical Discharge Characteristics		Monitoring Requirements	
	kg/day (lbs/day)		kg/day (lbs/day)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	N/A	N/A	N/A	N/A	Continuous	N/A
TOD*	N/A	N/A	8,700(19,000)	17,400(38,300)	Daily	24-hr. composite
TSS*	N/A	N/A	2,170(4,800)	4,850(10,700)	Daily	24-hr. composite
pH	N/A	N/A	N/A	N/A	Continuous	N/A

\*These parameters shall be limited according to Part III.A.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
At the location labeled 020 on the attached map.

## A-32 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning 07-01-77 and lasting through expiration date the permittee is authorized to discharge from outfall(s) serial number(s) 021, discharge from the Division Return Canal System to the Mississippi River.

Such discharges shall be limited and monitored by the permittee as specified below:

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored continuously.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):  
The monitoring point for pH shall be in the sampling drum which receives water from all pumps which pump the discharge from the Division Return Canal System to the Mississippi River.  
The residence time of water in this sampling drum shall not exceed 30 minutes in duration.

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**B. SCHEDULE OF COMPLIANCE**

1. The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule:

For discharge points Serial Numbers 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, and 015.

Report of progress on	07-01-75
Report of progress on	01-01-76
Report of progress on	07-01-76
Report of progress on	01-01-77
Attainment of operational level	07-01-77

2. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

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**C. MONITORING AND REPORTING**

**1. *Representative Sampling***

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

**2. *Reporting***

Monitoring results obtained during the previous 3 months shall be summarized for each month and reported on a Discharge Monitoring Report Form (EPA No. 3320-1), postmarked no later than the 28th day of the month following the completed reporting period. The first report is due on October 28, 1977. Duplicate signed copies of these, and all other reports required herein, shall be submitted to the Regional Administrator and the State at the following addresses:

Mr. John C. White, R. A.  
Environmental Protection Agency (6AEP)  
1201 Elm Street  
First International Building  
Dallas, Texas 75270

Mr. Robert A. Lafleur, Exec. Secretary  
Louisiana Stream Control Commission  
Drawer FC, University Station  
Baton Rouge, Louisiana 70803

**3. *Definitions***

- a. The "daily average" discharge means the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was operating. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of all the measured daily discharges by weight divided by the number of days during the calendar month when the measurements were made.
- b. The "daily maximum" discharge means the total discharge by weight during any calendar day.

**4. *Test Procedures***

Test procedures for the analysis of pollutants shall conform to regulations published pursuant to Section 304(g) of the Act, under which such procedures may be required.

**5. *Recording of Results***

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The exact place, date, and time of sampling;
- b. The dates the analyses were performed;
- c. The person(s) who performed the analyses;

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- d. The analytical techniques or methods used; and
- e. The results of all required analyses.

**6. *Additional Monitoring by Permittee***

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Form (EPA No. 3320-1). Such increased frequency shall also be indicated.

**7. *Records Retention***

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years, or longer if requested by the Regional Administrator or the State water pollution control agency.

## PART II

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**A. MANAGEMENT REQUIREMENTS****1. *Change in Discharge***

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants must be reported by submission of a new NPDES application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the permit issuing authority of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

**2. *Noncompliance Notification***

If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Regional Administrator and the State with the following information, in writing, within five (5) days of becoming aware of such condition:

- a. A description of the discharge and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

**3. *Facilities Operation***

The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

**4. *Adverse Impact***

The permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

**5. *Bypassing***

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall promptly notify the Regional Administrator and the State in writing of each such diversion or bypass.

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**6. *Removed Substances***

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering navigable waters.

**7. *Power Failures***

In order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

- a. In accordance with the Schedule of Compliance contained in Part I, provide an alternative power source sufficient to operate the wastewater control facilities;

or, if such alternative power source is not in existence, and no date for its implementation appears in Part I,

- b. Halt, reduce or otherwise control production and/or all discharges upon the reduction, loss, or failure of the primary source of power to the wastewater control facilities.

**B. RESPONSIBILITIES**

**1. *Right of Entry***

The permittee shall allow the head of the State water pollution control agency, the Regional Administrator, and/or their authorized representatives, upon the presentation of credentials:

- a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and
- b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

**2. *Transfer of Ownership or Control***

In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Regional Administrator and the State water pollution control agency.

**3. *Availability of Reports***

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public

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inspection at the offices of the State water pollution control agency and the Regional Administrator. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

**4. Permit Modification**

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

- a. Violation of any terms or conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

**5. Toxic Pollutants**

Notwithstanding Part II, B-4 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified.

**6. Civil and Criminal Liability**

Except as provided in permit conditions on "Bypassing" (Part II, A-5) and "Power Failures" (Part II, A-7), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

**7. Oil and Hazardous Substance Liability**

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act.

**8. State Laws**

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Act.



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9. *Property Rights*

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

10. *Severability*

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

## PART III

## OTHER REQUIREMENTS

A. The discharge of process wastewater from outfalls 001, 002, 004, 007, 008, 017 and 020 shall be limited by the permittee as combined Total Oxygen Demand (TOD) and as combined Total Suspended Solids (TSS) as specified below:

1. During the period beginning with the date of issuance and lasting through 06-30-77 (for sum of outfalls 001, 002, 004, 007, and 008):

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>	
	kg/day (lbs/day)	
	<u>Combined Daily Avg.</u>	<u>Combined Daily Max.</u>
TOD	38,469(84,810)	62,496(137,780)

2. During the period beginning 07-01-77 and lasting through five (5) years from the date of issuance (for sum of outfalls 001, 007, 017, and 020):

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>	
	kg/day (lbs/day)	
	<u>Combined Daily Avg.</u>	<u>Combined Daily Max.</u>
TSS	2,500( 5,470)	5,510(12,130)
TOD	8,600(18,950)	15,820(34,810)

## PART III

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## OTHER REQUIREMENTS (continued)

B. The discharge of process wastewater from outfalls 005A, 006, 015, 017, 017A and 017B containing chlorinated hydrocarbons shall be limited by the permittee as specified below:

1. During the period beginning with issuance and lasting through 06-30-77 (for the sum of outfalls 005A, 006, and 015):

<u>Effluent Characteristic</u>	Discharge Limitations kg/day (lbs/day)	
	Combined	Combined
	<u>Daily Avg.</u>	<u>Daily Max.</u>
Chlorinated Hydrocarbons (as identified in Part I outfalls 005A, 006, and 015)	9,737(21,422)	12,247(26,943)

2. During the period beginning 07-01-77 and lasting through five (5) years from the effective date of this permit (for the sum of outfalls 005A, 006, 015, 017, 017A, and 017B):

<u>Effluent Characteristic,</u>	Discharge Limitations kg/day (lbs/day)	
	Combined	Combined
	<u>Daily Avg.</u>	<u>Daily Max.</u>
Chlorinated Hydrocarbons (as identified in Part I outfalls 005A, 006, 015, 017, 017A, and 017B)	945(2,080)	1,720(3,780)

C. The discharge of process wastewater from outfalls 003A, 003B, 003C, 003D, and 003E containing residual chlorine shall be limited by the permittee as specified below:

1. During the period beginning with the date of issuance and lasting through 06-30-77:

<u>Effluent Characteristic</u>	Discharge Limitations kg/day (lbs/day)	
	Combined	Combined
	<u>Daily Avg.</u>	<u>Daily Max.</u>
Residual Chlorine	11,340(25,000)	22,680(50,000)

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## OTHER REQUIREMENTS (continued)

2. During the period beginning 07-01-77 and lasting through five (5) years from the date of issuance.

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>	
	kg/day (lbs/day)	
	<u>Combined Daily Avg.</u>	<u>Combined Daily Max.</u>
Residual Chlorine	3,120(6,864)	6,240(13,728)

The above limitations for residual chlorine shall apply at outfall 021, the point where the combined river water return and process wastewaters are discharged to the Mississippi River. Samples taken to verify compliance with the above limitations shall be taken daily with a grab sample at the discharge point to the Mississippi River.

After 07-01-77, the results of this monitoring shall be reported in the following manner:

To obtain the Daily Maximum value of Residual Chlorine which shall be used to determine compliance with the above Residual Chlorine limitations, the value of Residual Chlorine obtained from monitoring at outfall 017 shall be subtracted from the value of Residual Chlorine obtained from monitoring at outfall 020.

The Daily Average values of Residual Chlorine shall be calculated in an analogous manner using the definition of daily average in Part II, Section C.3.a.

D. As used in this subsection, the term "combined daily average" means the sum of the "daily average" values for the outfalls considered in the combined limits. The daily average for each individual outfall shall be calculated as described in Part I.C.3a.

The combined daily maximum means the sum of the total discharges by weight during any calendar day for the outfalls considered in the combined limits.

E. Permittee shall report on a quarterly basis in accordance with Part I.C.2. of the permit the monthly average of the daily amount and kind(s) of clarifying agent(s) used in the intake water treatment system.

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## OTHER REQUIREMENTS (continued)

F. The discharge from outfalls 003, 017, 018A, and 019 shall be limited on Total Chromium as specified below:

During the period beginning 07-01-77 and lasting until the expiration date for the sum of outfalls 003, 017, 018A, and 019.\*

<u>Effluent Characteristic</u>	Discharge Limitations	
	kg/day (lbs/day)	
	<u>Combined Daily Avg.</u>	<u>Combined Daily Max.</u>
Total Chromium	9.1(20)	18.2(40)

\*Outfall 018A will have no discharge until 06-01-78,  
Outfall 019 will have no discharge until 07-01-78.

